

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/526,063
Source: PCT
Date Processed by STIC: 3-9-05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses.

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - cPAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/526,063

DATE: 03/09/2005

TIME: 15:17:37

Input Set : A:\seqlist.txt

Output Set: N:\CRF4\03092005\J526063.raw

4 <110> APPLICANT: ASHMAN, Claire
 5 ELLIS, Jonathan Henry
 7 <120> TITLE OF INVENTION: IL-14 VACCINE FOR THE TREATMENT OF
 8 ASTHMA AND ATOPIC DISORDERS
 11 <130> FILE REFERENCE: PG4939
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/526,063
 14 <141> CURRENT FILING DATE: 2005-02-28
 16 <150> PRIOR APPLICATION NUMBER: PCT/GB03/003729
 17 <151> PRIOR FILING DATE: 2003-08-28
 19 <150> PRIOR APPLICATION NUMBER: GB 0304672.9
 20 <151> PRIOR FILING DATE: 2003-02-28
 22 <150> PRIOR APPLICATION NUMBER: GB 0220211.7
 23 <151> PRIOR FILING DATE: 2002-08-30
 25 <160> NUMBER OF SEQ ID NOS: 70
 27 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 29 <210> SEQ ID NO: 1
 30 <211> LENGTH: 112
 31 <212> TYPE: PRT
 32 <213> ORGANISM: Homo sapiens IL-13
 34 <400> SEQUENCE: 1
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 37 Val Asn Ile Thr Gln Asn Gln Lys Ala Pro Leu Cys Asn Gly Ser Met
 38 20 25 30
 39 Val Trp Ser Ile Asn Leu Thr Ala Gly Met Tyr Cys Ala Ala Leu Glu
 40 35 40 45
 41 Ser Leu Ile Asn Val Ser Gly Cys Ser Ala Ile Glu Lys Thr Gln Arg
 42 50 55 60
 43 Met Leu Ser Gly Phe Cys Pro His Lys Val Ser Ala Gly Gln Phe Ser
 44 65 70 75 80
 45 Ser Leu His Val Arg Asp Thr Lys Ile Glu Val Ala Gln Phe Val Lys
 46 85 90 95
 47 Asp Leu Leu Leu His Leu Lys Lys Leu Phe Arg Glu Gly Arg Phe Asn
 48 100 105 110
 51 <210> SEQ ID NO: 2
 52 <211> LENGTH: 111
 53 <212> TYPE: PRT
 54 <213> ORGANISM: Murine IL-13
 56 <400> SEQUENCE: 2
 57 Gly Pro Val Pro Arg Ser Val Ser Leu Pro Leu Thr Leu Lys Glu Leu
 58 1 5 10 15
 59 Ile Glu Glu Leu Ser Asn Ile Thr Gln Asp Gln Thr Pro Leu Cys Asn
 60 20 25 30

Does Not Comply
 Corrected Diskette Needed

(pg.6) ↗

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Input Set : A:\seqlist.txt

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61 Gly Ser Met Val Trp Ser Val Asp Leu Ala Ala Gly Gly Phe Cys Val
62          35          40          45
63 Ala Leu Asp Ser Leu Thr Asn Ile Ser Asn Cys Asn Ala Ile Tyr Arg
64          50          55          60
65 Thr Gln Arg Ile Leu His Gly Leu Cys Asn Arg Lys Ala Pro Thr Thr
66 65          70          75          80
67 Val Ser Ser Leu Pro Asp Thr Lys Ile Glu Val Ala His Phe Ile Thr
68          85          90          95
69 Lys Leu Leu Ser Tyr Thr Lys Gln Leu Phe Arg His Gly Pro Phe
70          100          105          110
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74 <211> LENGTH: 111
75 <212> TYPE: PRT
76 <213> ORGANISM: Porcine IL-13
78 <400> SEQUENCE: 3
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82          20          25          30
83 Met Val Trp Ser Val Asn Leu Thr Thr Ser Met Gln Tyr Cys Ala Ala
84          35          40          45
85 Leu Glu Ser Leu Ile Asn Ile Ser Asp Cys Ser Ala Ile Gln Lys Thr
86          50          55          60
87 Gln Arg Met Leu Ser Ala Leu Cys Ser His Lys Pro Pro Ser Glu Gln
88 65          70          75          80
89 Val Pro Gly Lys His Ile Arg Asp Thr Lys Ile Glu Val Ala Gln Phe
90          85          90          95
91 Val Lys Asp Leu Leu Lys His Leu Arg Met Ile Phe Arg His Gly
92          100          105          110
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96 <211> LENGTH: 112
97 <212> TYPE: PRT
98 <213> ORGANISM: Bovine IL-13
100 <400> SEQUENCE: 4
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103 Val Asn Ile Thr Gln Asn Gln Lys Val Pro Leu Cys Asn Gly Ser Met
104          20          25          30
105 Val Trp Ser Leu Asn Leu Thr Ser Ser Met Tyr Cys Ala Ala Leu Asp
106          35          40          45
107 Ser Leu Ile Ser Ile Ser Asn Cys Ser Val Ile Gln Arg Thr Lys Lys
108          50          55          60
109 Met Leu Asn Ala Leu Cys Pro His Lys Pro Ser Ala Lys Gln Val Ser
110 65          70          75          80
111 Ser Glu Tyr Val Arg Asp Thr Lys Ile Glu Val Ala Gln Phe Leu Lys
112          85          90          95
113 Asp Leu Leu Arg His Ser Arg Ile Val Phe Arg Asn Glu Arg Phe Asn
114          100          105          110
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Input Set : A:\seqlist.txt

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118 <211> LENGTH: 111
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126 20 25 30
127 Trp Ser Val Asn Leu Thr Ala Gly Met Tyr Cys Ala Ala Leu Glu Ser
128 35 40 45
129 Leu Ile Asn Val Ser Asp Cys Ser Ala Ile Gln Arg Thr Gln Arg Met
130 50 55 60
131 Leu Lys Ala Leu Cys Ser Gln Lys Pro Ala Ala Gly Gln Ile Ser Ser
132 65 70 75 80
133 Glu Arg Ser Arg Asp Thr Lys Ile Glu Val Ile Gln Leu Val Lys Asn
134 85 90 95
135 Leu Leu Thr Tyr Val Arg Gly Val Tyr Arg His Gly Asn Phe Arg
136 100 105 110
139 <210> SEQ ID NO: 6
140 <211> LENGTH: 111
141 <212> TYPE: PRT
142 <213> ORGANISM: Rat IL-13
144 <400> SEQUENCE: 6
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147 Ile Glu Glu Leu Ser Asn Ile Thr Gln Asp Gln Lys Thr Ser Leu Cys
148 20 25 30
149 Asn Ser Ser Met Val Trp Ser Val Asp Leu Thr Ala Gly Gly Phe Cys
150 35 40 45
151 Ala Ala Leu Glu Ser Leu Thr Asn Ile Ser Ser Cys Asn Ala Ile His
152 50 55 60
153 Arg Thr Gln Arg Ile Leu Asn Gly Leu Cys Asn Gln Lys Ala Ser Asp
154 65 70 75 80
155 Val Ala Ser Ser Pro Pro Asp Thr Lys Ile Glu Val Ala Gln Phe Ile
156 85 90 95
157 Ser Lys Leu Leu Asn Tyr Ser Lys Gln Leu Phe Arg Tyr Gly His
158 100 105 110
161 <210> SEQ ID NO: 7
162 <211> LENGTH: 111
163 <212> TYPE: PRT
164 <213> ORGANISM: Cynomolgus
166 <400> SEQUENCE: 7
167 Ser Pro Val Pro Pro Ser Thr Ala Leu Lys Glu Leu Ile Glu Glu Leu
168 1 5 10 15
169 Val Asn Ile Thr Gln Asn Gln Lys Ala Pro Leu Cys Asn Gly Ser Met
170 20 25 30
171 Val Trp Ser Ile Asn Leu Thr Ala Gly Val Tyr Cys Ala Ala Leu Glu
172 35 40 45
173 Ser Leu Ile Asn Val Ser Gly Cys Ser Ala Ile Glu Lys Thr Gln Arg

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174      50                      55                      60
175 Met Leu Asn Gly Phe Cys Pro His Lys Val Ser Ala Gly Gln Phe Ser
176 65                      70                      75                      80
177 Ser Leu Arg Val Arg Asp Thr Lys Ile Glu Val Ala Gln Phe Val Lys
178                      85                      90                      95
179 Asp Leu Leu His Leu Lys Lys Leu Phe Arg Glu Gly Gln Phe Asn
180                      100                      105                      110
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184 <211> LENGTH: 112
185 <212> TYPE: PRT
186 <213> ORGANISM: Rhesus IL-13
188 <400> SEQUENCE: 8
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191 Val Asn Ile Thr Gln Asn Gln Lys Ala Pro Leu Cys Asn Gly Ser Met
192                      20                      25                      30
193 Val Trp Ser Ile Asn Leu Thr Ala Gly Val Tyr Cys Ala Ala Leu Glu
194                      35                      40                      45
195 Ser Leu Ile Asn Val Ser Gly Cys Ser Ala Ile Glu Lys Thr Gln Arg
196 50                      55                      60
197 Met Leu Asn Gly Phe Cys Pro His Lys Val Ser Ala Gly Gln Phe Ser
198 65                      70                      75                      80
199 Ser Leu Arg Val Arg Asp Thr Lys Ile Glu Val Ala Gln Phe Val Lys
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207 <212> TYPE: PRT
208 <213> ORGANISM: Marmoset IL-13
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211 Gly Pro Val Pro Pro Tyr Thr Ala Leu Lys Glu Leu Ile Glu Glu Leu
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214                      20                      25                      30
215 Val Trp Ser Ile Asn Met Thr Ala Gly Val Tyr Cys Ala Ala Leu Glu
216                      35                      40                      45
217 Ser Leu Ile Asn Val Ser Gly Cys Ser Ala Ile Glu Lys Thr Gln Arg
218 50                      55                      60
219 Met Leu Ser Gly Phe Cys Pro His Lys Val Ser Ala Gly Gln Phe Ser
220 65                      70                      75                      80
221 Ser Leu Leu Val Arg Asp Thr Lys Ile Glu Val Ala Gln Phe Val Lys
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227 <210> SEQ ID NO: 10
228 <211> LENGTH: 112
229 <212> TYPE: PRT
230 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING

DATE: 03/09/2005

PATENT APPLICATION: US/10/526,063

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Input Set : A:\seqlist.txt

Output Set: N:\CRF4\03092005\J526063.raw

232 <220> FEATURE:

233 <223> OTHER INFORMATION: Chimaeric Homo Sapien IL-13

235 <400> SEQUENCE: 10

236 Gly Pro Val Pro Pro Ser Ser Ala Leu Lys Glu Leu Ile Glu Glu Leu

237 1 5 10 15

238 Ala Asn Ile Thr Gln Asn Gln Lys Ala Pro Leu Cys Asn Gly Ser Met

239 20 25 30

240 Val Trp Ser Ile Asn Leu Thr Ala Gly Met Tyr Cys Ala Ala Leu Asp

241 35 40 45

242 Ser Leu Ile Asn Val Ser Gly Cys Ser Ala Ile Glu Arg Thr Gln Arg

243 50 55 60

244 Ile Leu Ser Ala Phe Cys Pro His Lys Val Ser Ala Gly Gln Phe Ser

245 65 70 75 80

246 Ser Leu Arg Val Arg Asp Thr Lys Ile Glu Val Ala Gln Phe Val Thr

247 85 90 95

248 Asp Leu Leu Val His Leu Lys Arg Leu Phe Arg Gln Gly Thr Phe Asn

249 100 105 110

252 <210> SEQ ID NO: 11

253 <211> LENGTH: 121

254 <212> TYPE: PRT

255 <213> ORGANISM: Artificial Sequence

257 <220> FEATURE:

258 <223> OTHER INFORMATION: Chimaeric Homo sapien IL-13

260 <400> SEQUENCE: 11

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262 1 5 10 15

263 Val Asn Ile Thr Gln Asn Gln Lys Ala Pro Leu Cys Asn Gly Ser Met

264 20 25 30

265 Val Trp Ser Ile Asn Leu Thr Ala Gly Met Tyr Cys Ala Ala Leu Glu

266 35 40 45

267 Ser Leu Ile Asn Val Ser Gly Cys Ser Ala Ile Glu Lys Thr Gln Arg

268 50 55 60

269 Met Leu Gly Gly Phe Cys Pro His Lys Phe Asn Asn Phe Thr Val Ser

270 65 70 75 80

271 Phe Trp Leu Arg Val Pro Lys Val Ser Ala Ser His Leu Glu Asp Thr

272 85 90 95

273 Lys Ile Glu Val Ala Gln Phe Val Lys Asp Leu Leu Leu His Leu Lys

274 100 105 110

275 Lys Leu Phe Arg Glu Gly Arg Phe Asn

276 115 120

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280 <211> LENGTH: 133

281 <212> TYPE: PRT

282 <213> ORGANISM: Artificial Sequence

284 <220> FEATURE:

285 <223> OTHER INFORMATION: Chimaeric Homo sapien IL-13

287 <400> SEQUENCE: 12

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289 1 5 10 15

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Page 6

<210> 38

<211> 37

<212> DNA

<213> Artificial Sequence

<220> primerHomo sapien

<400> 38

ctccgctcga gtcgacttag aaggggccgt ggcgaaa

PLEASE explain source of genetic material.

delete, ↓

PLEASE leave numeric identifier

<220>₃₇ blank.

FYI:

The (above) can be inserted onto
line <223>.

↑ See error explanation
on page 7.

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/526,063

DATE: 03/09/2005
TIME: 15:17:38

Input Set : A:\seqlist.txt
Output Set: N:\CRF4\03092005\J526063.raw

Use of <220> Feature (NEW RULES): *Error Explanation: 2*
Sequence(s) are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32) (Sec.1.823 of new Rules)

Seq#:38

VERIFICATION SUMMARY

DATE: 03/09/2005

PATENT APPLICATION: US/10/526,063

TIME: 15:17:38

Input Set : A:\seqlist.txt

Output Set: N:\CRF4\03092005\J526063.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number

L:882 M:256 W: Invalid Numeric Header Field, <220> has non-blank data

L:884 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:38, <213>

ORGANISM:Artificial Sequence

L:884 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:38, Line#:884